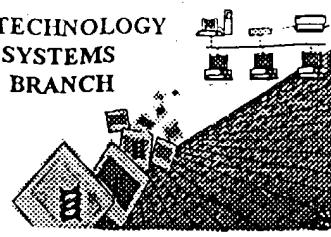


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/712,715

Source:

EFW

Date Processed by STIC:

7/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/7121715

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 **Wrapped Nucleic
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.

6 **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.

7 **Skipped Sequences
(OLD RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences

8 **Skipped Sequences
(NEW RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
<210> sequence id number
<400> sequence id number
000

9 **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species) <220>.<223> section is required when <213> response is Unknown or Artificial Sequence _____

11 **Use of <220>** Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 07/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712,715

DATE: 07/23/2004

TIME: 11:04:28

Input Set : A:\14683Z.seq.txt
Output Set: N:\CRF4\07232004\J712715.raw

3 <110> APPLICANT: SUYAMA, AKIRA
4 HORI, KUNIO
6 <120> TITLE OF INVENTION: METHOD OF DETECTING NUCLEIC ACID
8 <130> FILE REFERENCE: 14683Z
10 <140> CURRENT APPLICATION NUMBER: US 10/712,715
11 <141> CURRENT FILING DATE: 2003-11-13
13 <160> NUMBER OF SEQ ID NOS: 16
15 <170> SOFTWARE: PatentIn version 3.2
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 16
19 <212> TYPE: DNA
20 <213> ORGANISM: Probe *Insert in section 2207-2237-*
22 <400> SEQUENCE: 1
23 ctagtagggt gaagtc *INVALID Response* Does Not Comply
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 64
28 <212> TYPE: DNA
29 <213> ORGANISM: Probe *Mandatory, (213)* Corrected Diskette Needed
31 <400> SEQUENCE: 2
32 cataagagcc cttagccatg ctggtaagg ggcacgcgt tcatacaggag tcgaaggcag 16
34 gacg
37 <210> SEQ ID NO: 3
38 <211> LENGTH: 32
39 <212> TYPE: DNA
40 <213> ORGANISM: Probe *responses has to be either* 60
42 <400> SEQUENCE: 3
43 ctcttagggct cttatggact tcaccctact ag 64
46 <210> SEQ ID NO: 4
47 <211> LENGTH: 48
48 <212> TYPE: DNA
49 <213> ORGANISM: Probe *artificial|Unknown or genus/species.*
51 <400> SEQUENCE: 4
52 cgtccctgcct tcgactccctg atgaaccgcg tgccccttga ccagcatg 32
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 32
57 <212> TYPE: DNA
58 <213> ORGANISM: Probe *SAME error* 48
60 <400> SEQUENCE: 5
61 ttcttagagct cctatggact tcgcctact ag
64 <210> SEQ ID NO: 6
65 <211> LENGTH: 30
66 <212> TYPE: DNA
67 <213> ORGANISM: Mouse
68 <400> SEQUENCE: 6
69 Cpls See item # 10

• pls see item # 10 on error summary sheet.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712 715

DATE: 07/23/2004

TIME: 11:04:28

Input Set : A:\14683Z.seq.txt
Output Set: N:\CRF4\07232004\J712715 raw

69 <400> SEQUENCE: 6
70 tccttatattc aactgtataa gcccgttcct
73 <210> SEQ ID NO: 7
74 <211> LENGTH: 30
75 <212> TYPE: DNA
76 <213> ORGANISM: Mouse
78 <400> SEQUENCE: 7
79 attttcctct gaaacaataa agtcgggtcc
82 <210> SEQ ID NO: 8
83 <211> LENGTH: 15
84 <212> TYPE: DNA
85 <213> ORGANISM: Probe
87 <400> SEQUENCE: 8
88 tccttatattc aactg
91 <210> SEQ ID NO: 9
92 <211> LENGTH: 15
93 <212> TYPE: DNA
94 <213> ORGANISM: Probe
96 <400> SEQUENCE: 9
97 attttcctct gaaac
100 <210> SEQ ID NO: 10
101 <211> LENGTH: 15
102 <212> TYPE: DNA
103 <213> ORGANISM: Probe
105 <400> SEQUENCE: 10
106 taatagcccg ttct
109 <210> SEQ ID NO: 11
110 <211> LENGTH: 15
111 <212> TYPE: DNA
112 <213> ORGANISM: Probe
114 <400> SEQUENCE: 11
115 aataaagtgcg gttcc
118 <210> SEQ ID NO: 12
119 <211> LENGTH: 25
120 <212> TYPE: DNA
121 <213> ORGANISM: Probe
123 <400> SEQUENCE: 12
124 tgaagtcacc acaacacaca gtaca
127 <210> SEQ ID NO: 13
128 <211> LENGTH: 25
129 <212> TYPE: DNA
130 <213> ORGANISM: Probe
132 <400> SEQUENCE: 13
133 tctcagtccc agtccatttc cttac
136 <210> SEQ ID NO: 14
137 <211> LENGTH: 25
138 <212> TYPE: DNA
139 <213> ORGANISM: Probe
141 <400> SEQUENCE: 14

30 30 15 15 15 15 25 25

Same error

Same
error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/712,715

DATE: 07/23/2004
TIME: 11:04:28

Input Set : A:\14683Z.seq.txt
Output Set: N:\CRF4\07232004\J712715.raw

142 acgacgatga aaaactacga gggac 25
145 <210> SEQ ID NO: 15
146 <211> LENGTH: 25
147 <212> TYPE: DNA *(circle) - same error*
148 <213> ORGANISM: Probe
150 <400> SEQUENCE: 15
151 tgaacccca agtttagatc tcagc 25
154 <210> SEQ ID NO: 16
155 <211> LENGTH: 25
156 <212> TYPE: DNA *(circle) - same error*
157 <213> ORGANISM: Probe
159 <400> SEQUENCE: 16
160 gacaaacacc ccgaatacaa acagc 25

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/712,715**

DATE: 07/23/2004

TIME: 11:04:29

Input Set : **A:\14683Z.seq.txt**

Output Set: **N:\CRF4\07232004\J712715.raw**